

**Benjamin Peterson**  
Postdoctoral Researcher, EERC

**Ammonia-Based Energy Storage**

**Biography**

Benjamin Peterson is a Postdoctoral Researcher at the EERC in Grand Forks, North Dakota. Under the guidance of Ted Aulich and Jivan Thakare, his current project is focused on the electrochemical production of ammonia at low pressures. Benjamin graduated with a BS in Chemical Engineering from Kettering University in Flint, Michigan in 2013. As an undergraduate, he was a co-op student at General Motors working with lithium-ion batteries in the research and manufacturing environments. After graduating, he was a research assistant for Drs. Susan Farhat and Mary Gilliam using atmospheric pressure plasma to coat materials for automotive and biomedical purposes. In August 2020, Benjamin graduated with a PhD in Chemical Engineering from Louisiana State University in Baton Rouge, Louisiana under the advising of Dr. John Flake. His dissertation focused on next generation lithium-based battery technology using carbonized metal-organic frameworks as cathode materials for secondary, nonaqueous lithium-bromine batteries.